

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040842.D
 Acq On : 20 Oct 2020 12:52
 Operator : SY/MD
 Sample : L4354-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ23

Quant Time: Oct 20 23:56:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 23:49:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124210	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	130892	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55668	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45203	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.92	69	38296	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.58	63	67842	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.65	46	160867	48.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.68%
24) Chloroform-d	5.08	84	88798	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.72	65	54572	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.74	84	161754	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.70	67	54542	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.90	98	131168	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	8.18	79	21388	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.64	63	116994	45.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48917	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	54220	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

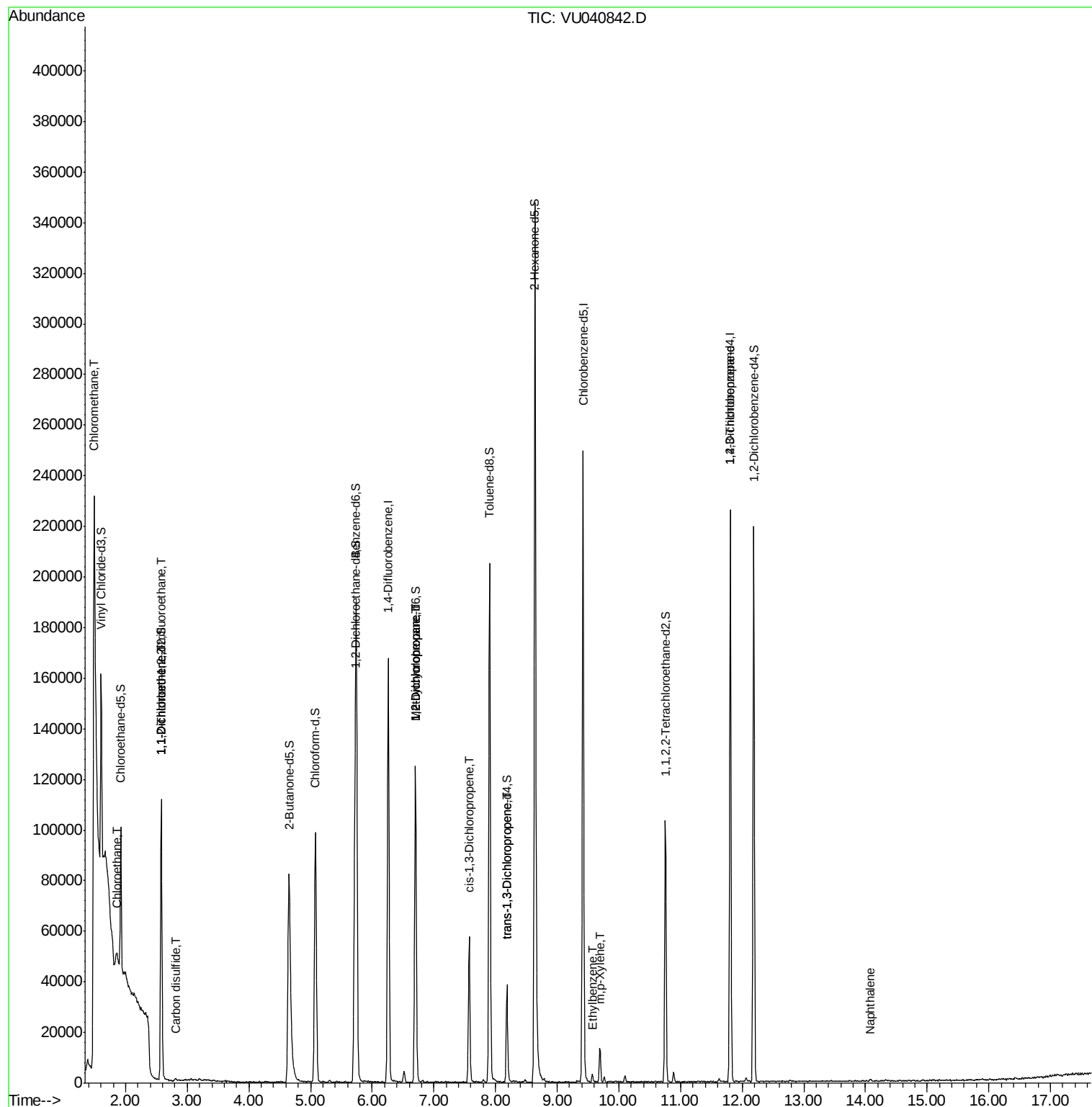
				Ovalue	
3) Chloromethane	1.49	50	12196	1.159	ug/L # 43
8) Chloroethane	1.85	64	11321	1.604	ug/L # 49
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	538	0.052	ug/L # 20
12) 1,1-Dichloroethene	2.58	96	522	0.059	ug/L # 1
14) Carbon disulfide	2.81	76	1459	0.059	ug/L # 88
35) Methylcyclohexane	6.70	83	13015	0.842	ug/L # 16
37) 1,2-Dichloropropane	6.70	63	6400	0.546	ug/L 97
39) cis-1,3-Dichloropropene	7.57	75	1346	0.084	ug/L # 63
44) trans-1,3-Dichloropropene	8.18	75	1125	0.076	ug/L 93
52) Ethylbenzene	9.57	91	2398	0.052	ug/L 96
53) m,p-Xylene	9.69	106	3570	0.211	ug/L 97
59) 1,2,3-Trichloropropane	11.81	75	7689	0.893	ug/L 89
69) Naphthalene	14.08	128	864	0.053	ug/L # 69

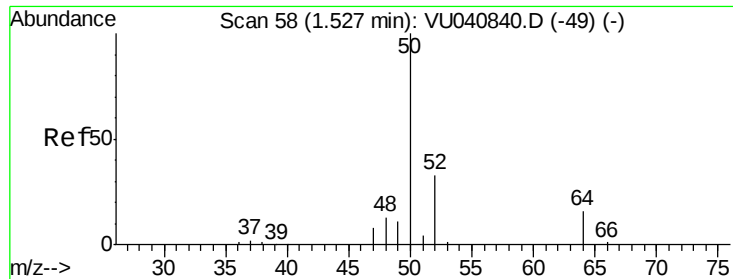
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.159 ug/L

RT: 1.49 min Scan# 46

Delta R.T. -0.04 min

Lab File: VU040842.D

Acq: 20 Oct 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

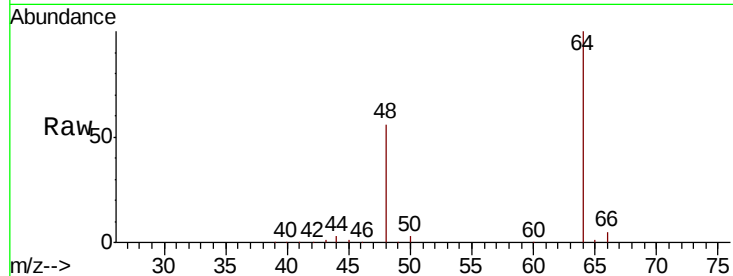
ETZ23

Tot Ion: 50 Resp: 12196

Ion Ratio Lower Upper

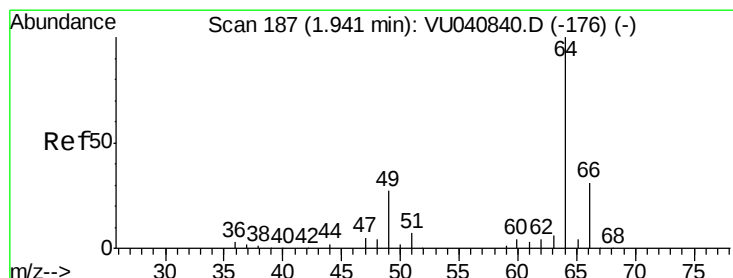
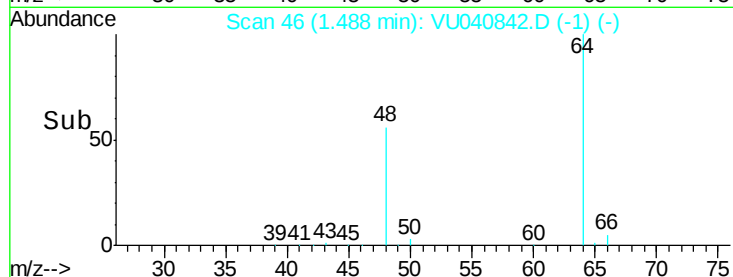
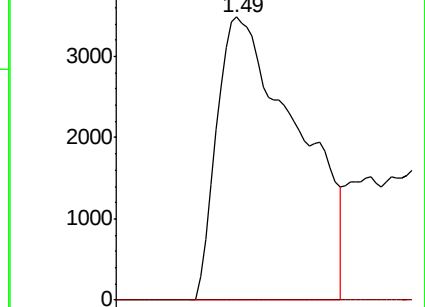
50 100

52 0.0 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU040842.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040842.D (-49) (-)



#8

Chloroethane

Concen: 1.604 ug/L

RT: 1.85 min Scan# 160

Delta R.T. -0.09 min

Lab File: VU040842.D

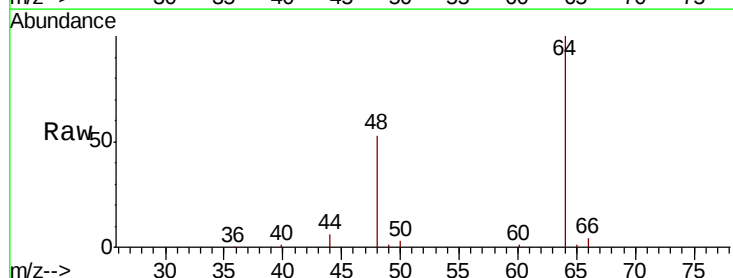
Acq: 20 Oct 2020 12:52

Tgt Ion: 64 Resp: 11321

Ion Ratio Lower Upper

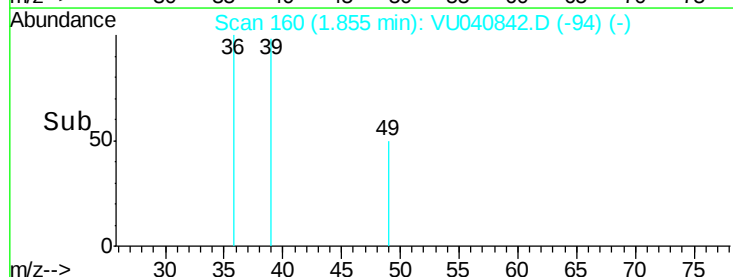
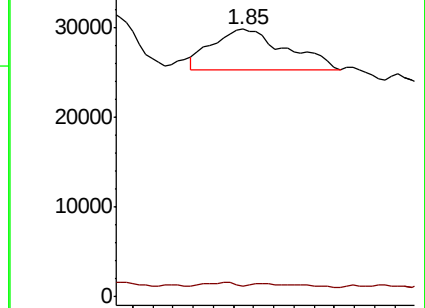
64 100

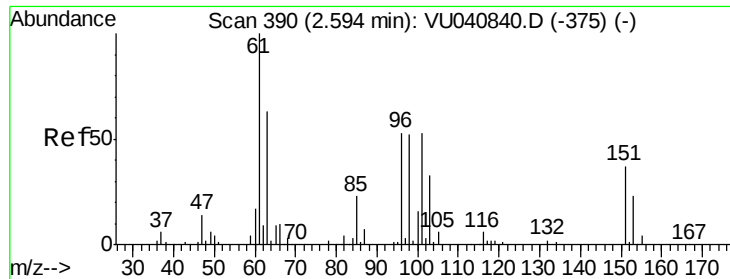
66 4.1 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040842.D (-94) (-)

Ion 66.05 (65.75 to 66.75): VU040842.D (-94) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.052 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040842.D

Acq: 20 Oct 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

ETZ23

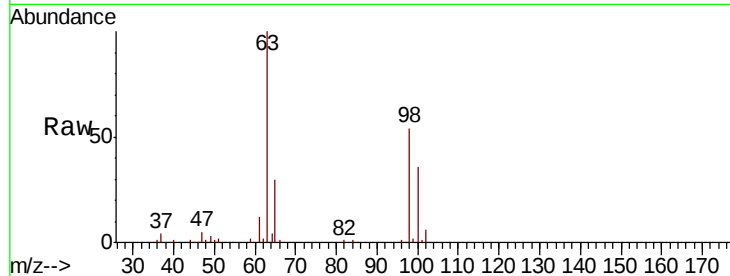
Tot Ion:101 Resp: 538

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

500

400

300

200

100

0

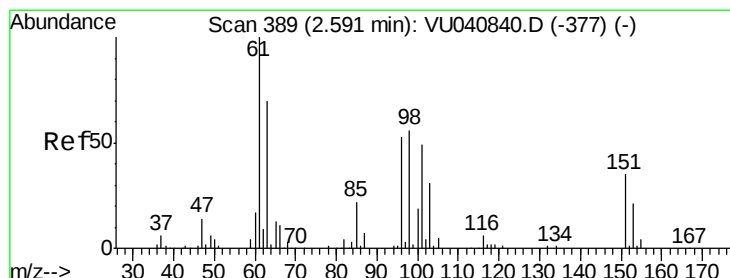
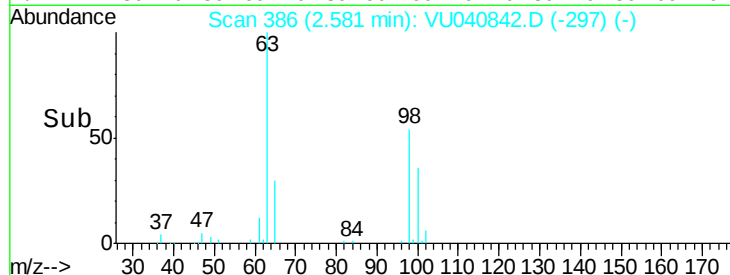
2.54

2.56

2.58

2.60

Time-->



#12

1,1-Dichloroethene

Concen: 0.059 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040842.D

Acq: 20 Oct 2020 12:52

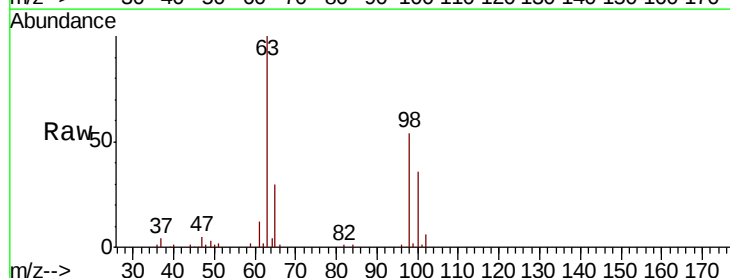
Tgt Ion: 96 Resp: 522

Ion Ratio Lower Upper

96 100

61 1422.0 128.8 239.2#

63 12149.4 84.6 157.2#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

50000

40000

30000

20000

10000

0

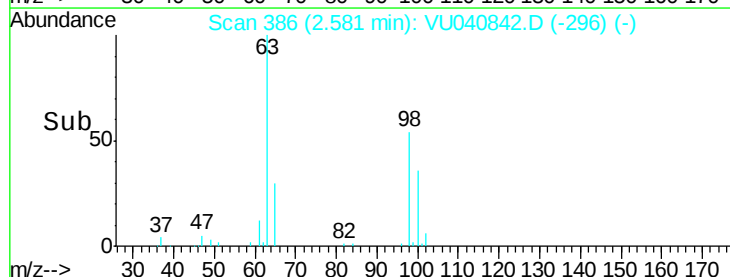
2.54

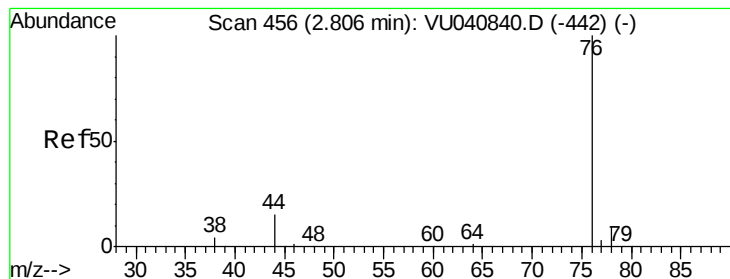
2.56

2.58

2.60

Time-->





#14

Carbon disulfide

Concen: 0.059 ug/L

RT: 2.81 min Scan# 458

Delta R.T. 0.01 min

Lab File: VU040842.D

Acq: 20 Oct 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

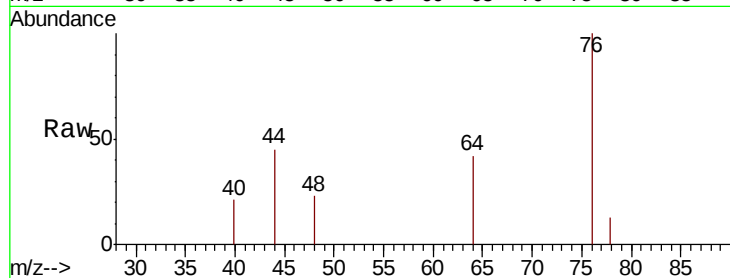
ETZ23

Tot Ion: 76 Resp: 1459

Ion Ratio Lower Upper

76 100

78 12.9 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

800

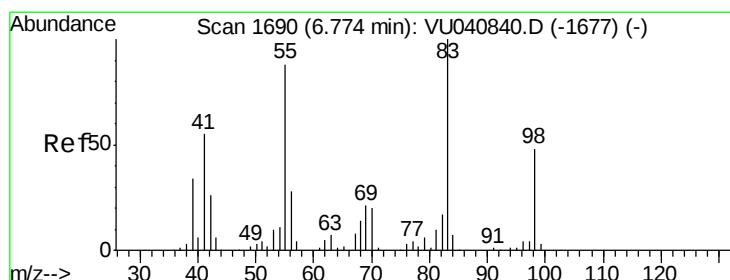
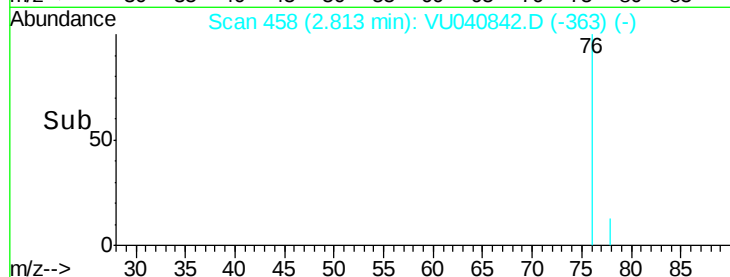
600

400

200

0

Time-->



#35

Methylcyclohexane

Concen: 0.842 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU040842.D

Acq: 20 Oct 2020 12:52

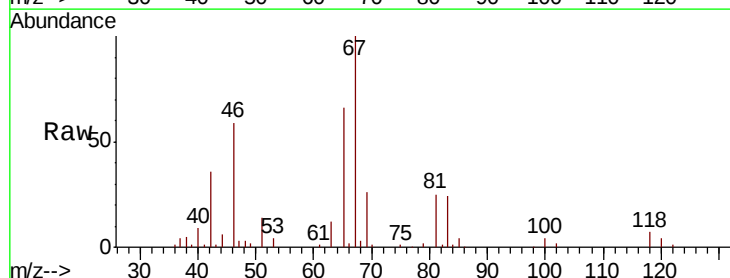
Tgt Ion: 83 Resp: 13015

Ion Ratio Lower Upper

83 100

55 2.1 70.7 106.1#

98 0.9 38.4 57.6#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

8000

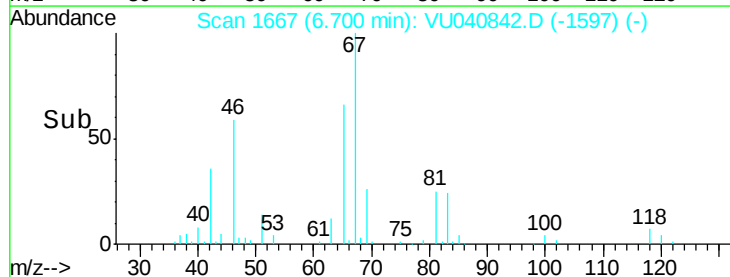
6000

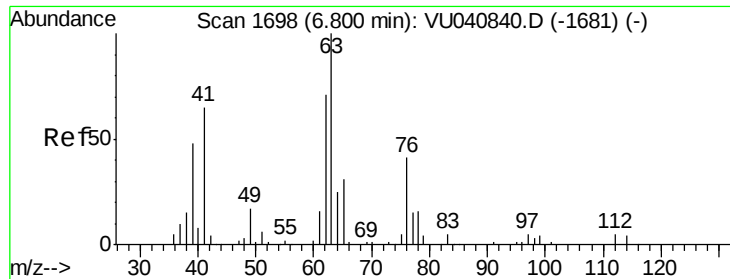
4000

2000

0

Time-->

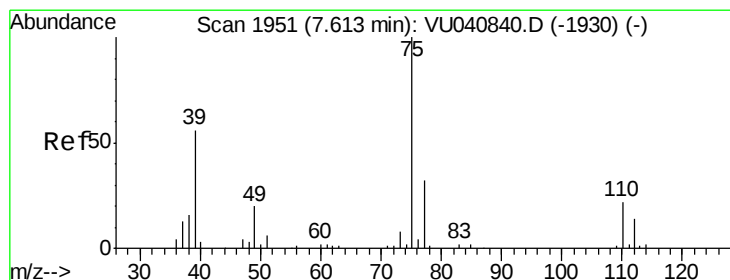
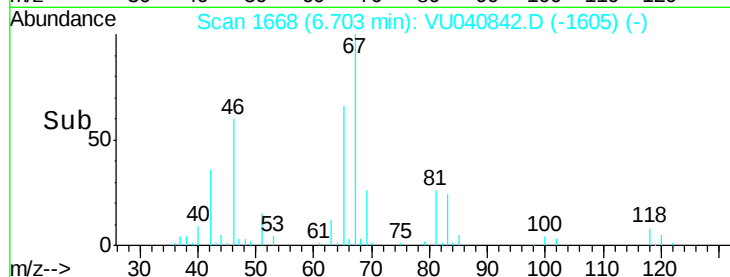
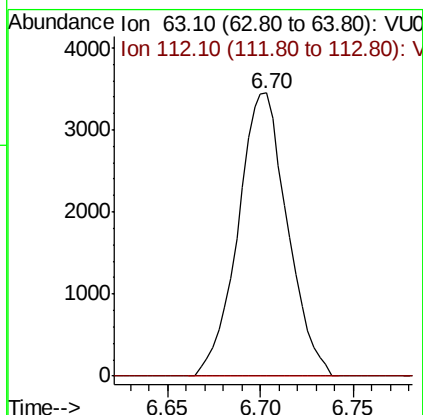
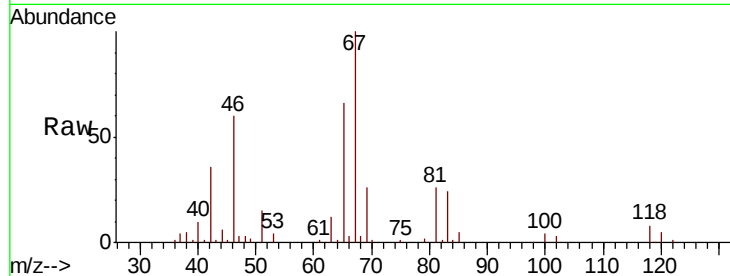




#37
 1,2-Dichloropropane
 Concen: 0.546 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040842.D
 Acq: 20 Oct 2020 12:52

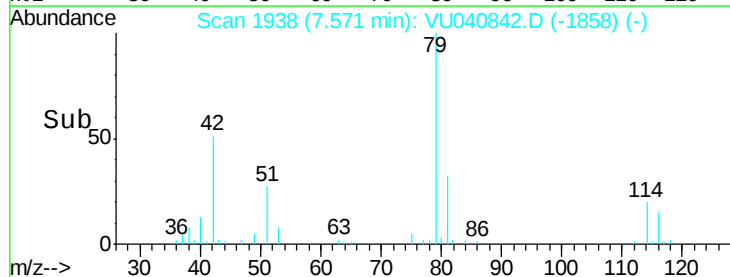
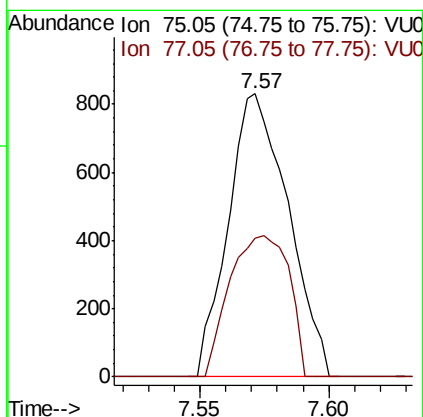
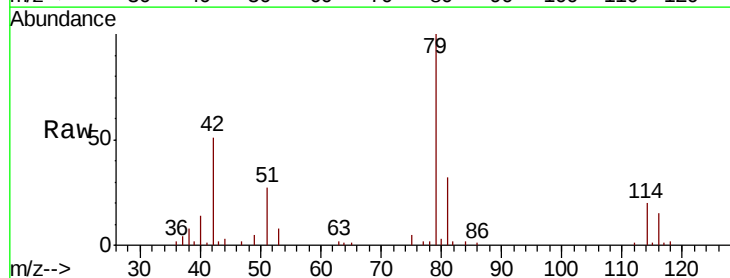
Instrument :
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 ClientSampleId :
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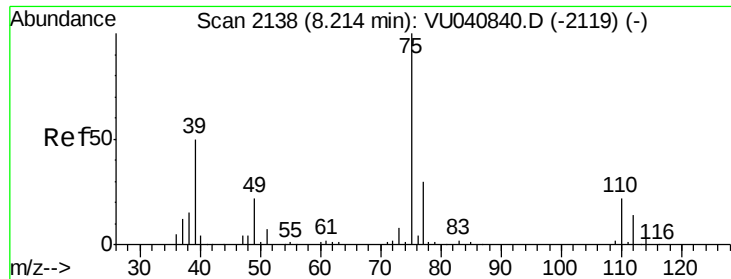
Tot Ion: 63 Resp: 6400
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.5 5.3



#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040842.D
 Acq: 20 Oct 2020 12:52

Tgt Ion: 75 Resp: 1346
 Ion Ratio Lower Upper
 75 100
 77 49.0 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040842.D

Acq: 20 Oct 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

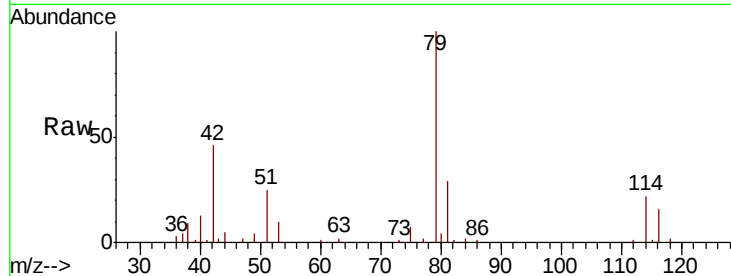
ETZ23

Tot Ion: 75 Resp: 1125

Ion Ratio Lower Upper

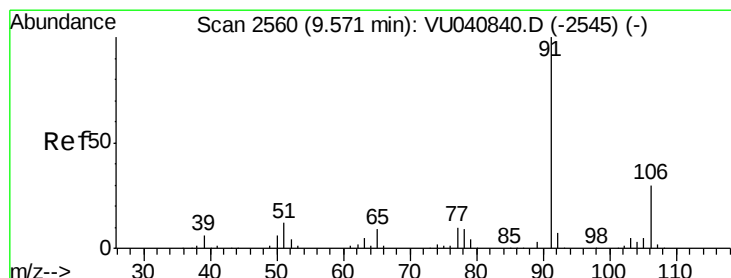
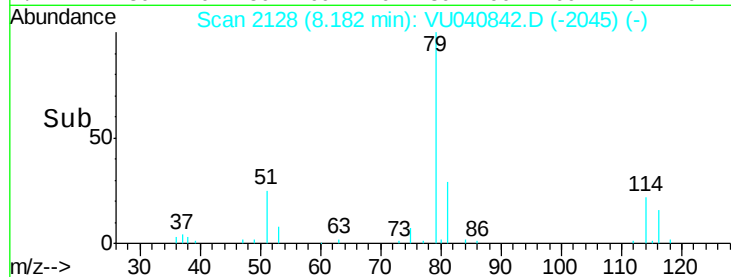
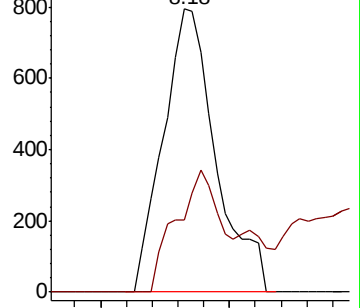
75 100

77 25.3 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#52

Ethylbenzene

Concen: 0.052 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU040842.D

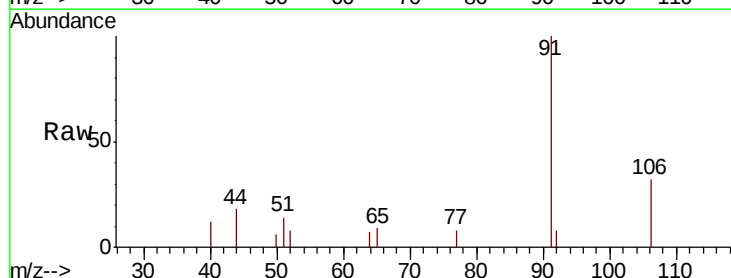
Acq: 20 Oct 2020 12:52

Tgt Ion: 91 Resp: 2398

Ion Ratio Lower Upper

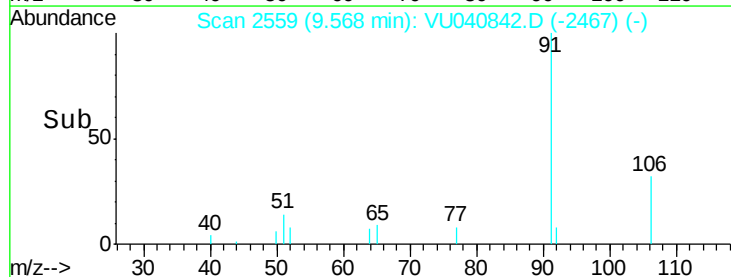
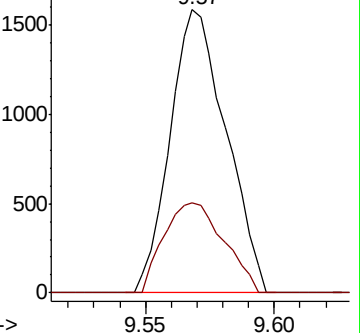
91 100

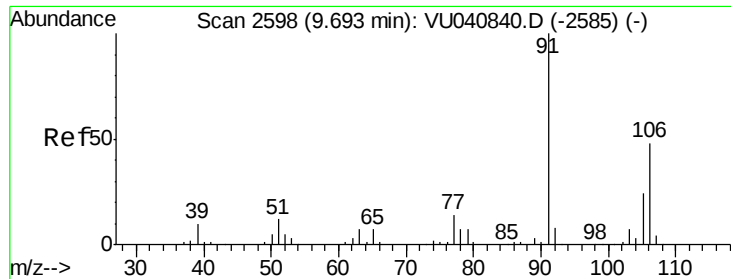
106 32.0 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.211 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040842.D

Acq: 20 Oct 2020 12:52

Instrument :

MSVOA_U

ClientSampled :

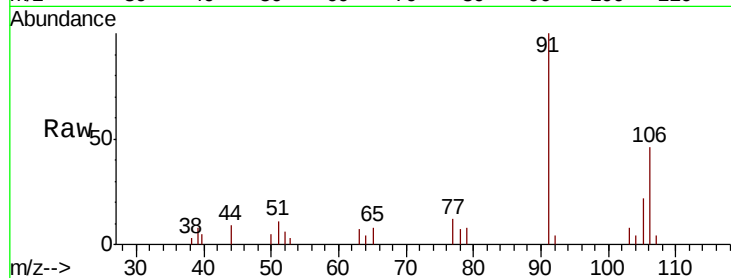
ETZ23

Tot Ion:106 Resp: 3570

Ion Ratio Lower Upper

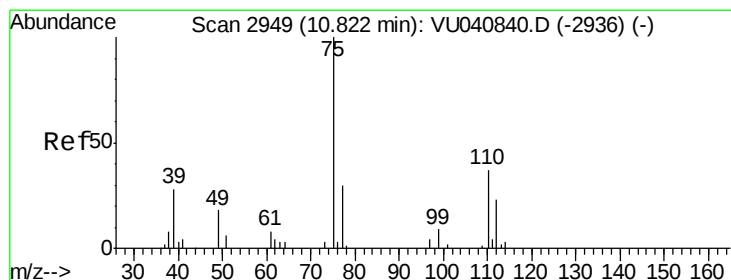
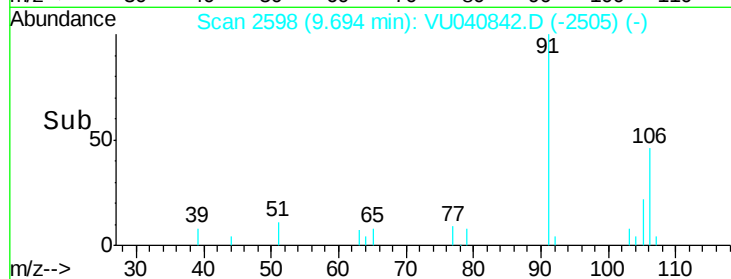
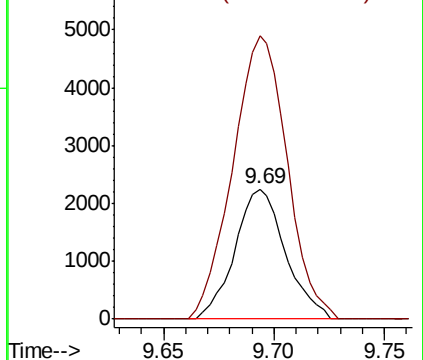
106 100

91 217.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#59

1,2,3-Trichloropropane

Concen: 0.893 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040842.D

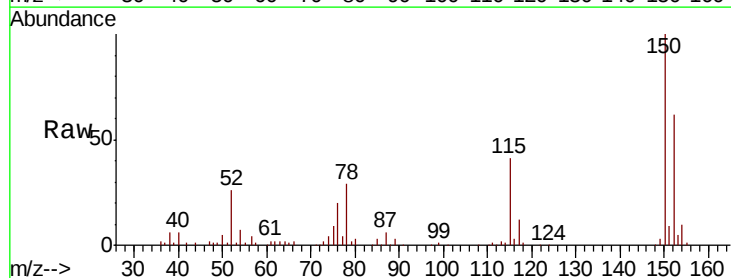
Acq: 20 Oct 2020 12:52

Tgt Ion: 75 Resp: 7689

Ion Ratio Lower Upper

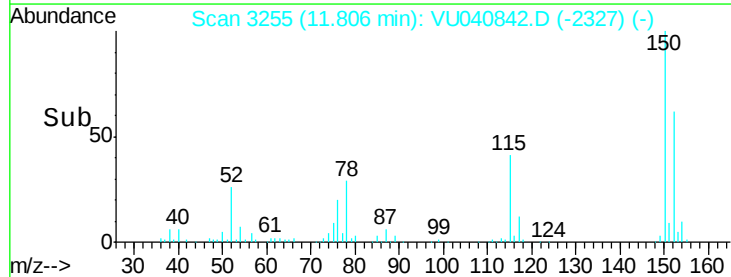
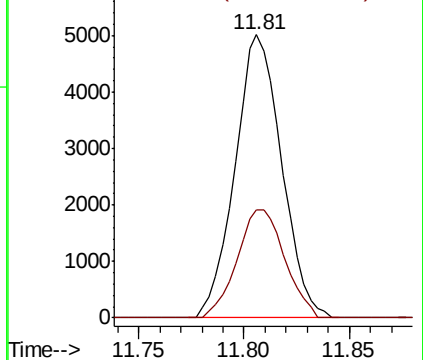
75 100

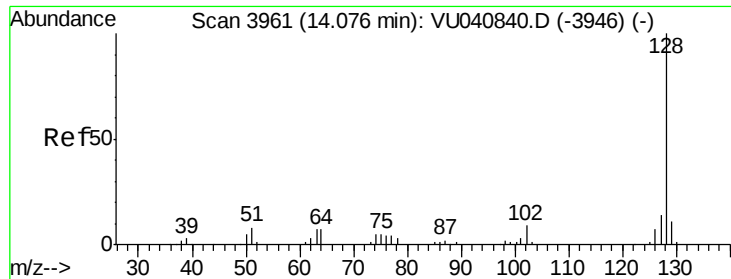
77 39.1 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 0.053 ug/L

RT: 14.08 min Scan# 3963

Delta R.T. 0.01 min

Lab File: VU040842.D

Acq: 20 Oct 2020 12:52

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ETZ23

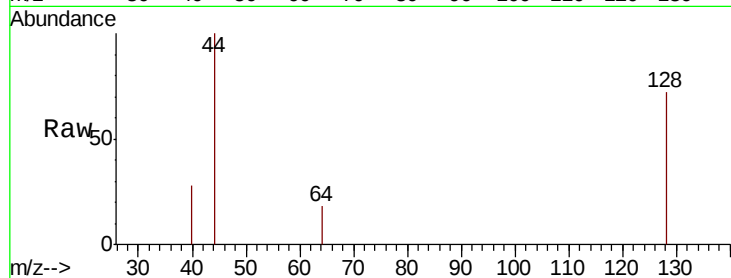
Tot Ion:128 Resp: 864

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

127 0.0 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

